



PTO/SB/21 (09-04)

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**TRANSMITTAL
FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

5

Application Number

09/851,940

6970171

Filing Date

May 10, 2001

First Named Inventor

Baraff, David E.

Art Unit

2671

Examiner Name

Scott A. Wallace

Attorney Docket Number

021751-002200US

ENCLOSURES (Check all that apply)☐

Fee Transmittal Form

☐

Fee Attached

☐

Amendment/Reply

☐

After Final

☐

Affidavits/declaration(s)

☐

Extension of Time Request

☐

Express Abandonment Request

☐

Information Disclosure Statement

☐

Drawing(s)

☐

Licensing-related Papers

☐

Petition

☐Petition to Convert to a
Provisional Application☐Power of Attorney, Revocation
Change of Correspondence Address☐

Terminal Disclaimer

☐

Request for Refund

☐

CD, Number of CD(s) _____

☐

Landscape Table on CD

☐

After Allowance Communication to TC

☐Appeal Communication to Board
of Appeals and Interferences☐Appeal Communication to TC
(Appeal Notice, Brief, Reply Brief)☐

Proprietary Information

☐

Status Letter

☒Other Enclosure(s) (please identify
below):

Return Postcard

Request for Certificate of Correction

PTO/SB/44

☐Certified Copy of Priority
Document(s)☐Reply to Missing Parts/ Incomplete
Application☐Reply to Missing Parts
under 37 CFR 1.52 or 1.53

Remarks

The Commissioner is authorized to charge any additional fees to Deposit
Account 20-1430.**Certificate**

JUN 01 2006

of Correction**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm Name

Townsend and Townsend and Crew LLP

Signature

S. B. Kotwal

Printed name

Sujit B. Kotwal

Date

May 25, 2006

Reg. No.

43,336

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Signature

Typed or printed name

Tiffany Wu

Date

May 25, 2006

JUN 1 2006

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PATENT

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P.O. Box 1450
Alexandria, VA 22313-1450

Attorney Docket No. 021751-002200US

On 5/25/06

TOWNSEND and TOWNSEND and CREW LLP

By: [Signature]
Tiffany W.



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

BARAFF et al.

Patent No.: 6,970,171 B2
(App. No. 09/851,940)

Filed: May 10, 2001

For: GLOBAL INTERSECTION
ANALYSIS FOR DETERMINING
INTERSECTIONS OF OBJECTS IN
COMPUTER ANIMATION

Examiner: Wallace, Scott A.

Art Unit: 2671

REQUEST FOR CERTIFICATE OF
CORRECTION

Attn: Certificate of Correction Branch
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 CFR 1.322 Applicant submits a Certificate of Correction correcting printing errors made at the time of printing of the patent. No fee is required for this Certificate. The desired corrections are set forth on form PTO 1050, enclosed.

Respectfully submitted,

S. B. Kotwal

Sujit B. Kotwal
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UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 6,970,171 B2
DATED : Nov. 29, 2005
INVENTOR(S) : Baraff et al.

It is certified that error appears in the above-identified patent and that said Letters Patent are hereby corrected as shown below:

On the face sheet:

At item (54), in the second line of the title, please delete "INTESECTIONS" and insert -- INTERSECTIONS--.

On page 2:

Under OTHER PUBLICATIONS, in the second line of the first entry (Bridson), please delete "contract" and insert --contact--.

In the claims:

In claim 1, column 10 at line 62, please delete "path; and" and insert -- path, the determining comprising:

selecting an arbitrary edge of a mesh that crosses said intersection path where said arbitrary edge is formed by vertices u and v and where said mesh contains said intersection path;

performing a search of said mesh, radiating from one of said vertices u and v , identifying all vertices in all of said edges that cross said intersection path, and defining the set of vertices identified as a playpen;

tracing said intersection path and identifying vertices, within said playpen, on a left side of said intersection path as left and retracing said intersection path in an opposite direction and identifying vertices, with said playpen, on a right side of said intersection path as right;

determining whether vertices adjacent to vertices identified as left and right lie outside of said playpen;

discarding said intersection path when at least one of both left and right identified vertices lie outside said playpen; and

determining whether at least one vertex adjacent to said right identified vertices lies outside said playpen; and

characterizing each of said left identified vertices as contained within said intersection path when at least one vertex adjacent to said right identified vertices lies

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outside said playpen and characterizing each of said right identified vertices as contained within said intersection path when at least one vertex adjacent to said left identified vertices lies outside said playpen; and--.

In claim 2, column 11 at line 1, please delete "determining".

In claim 2, column 11 at line 8, please delete "add" and insert -- and --.

In claim 5, column 11 at line 39, please delete "comprises;" and insert -- comprises: --.

In claim 5, column 11 at line 47, please delete "disconnect regions" and insert -- disconnected region --.

In claim 6, column 12 at line 26, please delete "comprising;" and insert -- comprising: --.

In claim 10, column 13 at line 41, please delete "comprises;" and insert -- comprises: --.

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PATENT NO. 6,970,171

No. of additional copies: 1



This collection of information is required by 37 CFR 1.322., 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 24 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2

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